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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

04/20/2004

FLEHR HOHBACH TEST ALBRITTON & HERBERT LLP Suite 3400 Four Embarcadero Center San Francisco, CA 94111-4187

EXAMI	NER (2)
PATEL, 1	NITIN
ART UNIT	PAPER NUMBER
2673 DATE MAILED: 04/20/2004	9

	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
Ī	10/044,095	01/11/2002	Siltex Peter Yuen	A-69469/MAK/KRG	7549

TITLE OF INVENTION: RUGGEDIZED, WATER SEALED, SECURITY-ENHANCED TOUCHPAD ASSEMBLY

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$665	\$300	\$965	07/20/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED</u>. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- ☐ Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.



PART B - FEE(S) TRANSMITTAL



Complete and send this form, together with applicable fee(s), to: Mail

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(703) 746-4000 or Fax

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)

7590

04/20/2004

FLEHR HOHBACH TEST ALBRITTON & HERBERT LLP **Suite 3400** Four Embarcadero Center San Francisco, CA 94111-4187

FILING DATE

01/11/2002

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

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Certificate of Mailing or Transmission
I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelop addressed to the Mail Stop ISSUE FEE address above, or being facsimil transmitted to the USPTO, on the date indicated below.

(Depositor's name)

7549

(Signature)

(Date) FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO.

A-69469/MAK/KRG

TITLE OF INVENTION: RUGGEDIZED, WATER SEALED, SECURITY-ENHANCED TOUCHPAD ASSEMBLY

APPLN, TYPE	SMALL ENTITY	ISSUE FEE	3	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$665		\$300	\$965	07/20/2004
EXAM	MINER	ART UNIT		CLASS-SUBCLASS]	
PATEL	, NITIN	2673		345-173000		
 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). □ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. □ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. 			names of agents OR firm (havi agent) and	nting on the patent front page, up to 3 registered patent at a liternatively, (2) the name ng as a member a registered at the names of up to 2 registered or agents. If no name is listernted.	of a single attorney or 2	

Siltex Peter Yuen

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

APPLICATION NO.

10/044,095

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or ca 4a. The following fee(s) are enclosed:	gories (will not be printed on the patent);		
☐ Issue Fee	☐ A check in the amount of the fee(s) is enclosed.		
☐ Publication Fee	☐ Payment by credit card. Form PTO-2038 is attached.		
☐ Advance Order - # of Copies	The Director is hereby authorized by charge the required fee(s), or credit any overpayment, Deposit Account Number (enclose an extra copy of this form).		
Director for Patents is requested to apply the Issue F	and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.		
(Authorized Signature)	(Date)		
NOTE; The Issue Fee and Publication Fee (if re other than the applicant; a registered attorney of interest as shown by the records of the United State	gent; or the assignee or other party in		
This collection of information is required by 37 obtain or retain a benefit by the public which is application. Confidentiality is governed by 35 U.S. estimated to take 12 minutes to complete, includir completed application form to the USPTO. Time case. Any comments on the amount of time y suggestions for reducing this burden, should be sepatent and Trademark Office, U.S. Department 22313-1450. DO NOT SEND FEES OR COM SEND TO: Commissioner for Patents, Alexandria,	gathering, preparing, and submitting the vill vary depending upon the individual require to complete this form and/or to the Chief Information Officer, U.S. of Commerce, Alexandria, Virginia LETED FORMS TO THIS ADDRESS.		
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	A-69469/MAK/KRG EXAM PATEL ART UNIT 2673	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

•	Application No.	Applicant(s)
	10/044,095 YUEN, SILTEX PETER	
Notice of Allowability	Examiner	Art Unit
	Nitin Patel	2673
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this apport or other appropriate communication GHTS. This application is subject to	plication. If not included will be mailed in due course. THIS
1. This communication is responsive to <u>03/22/2004</u> .		
2. The allowed claim(s) is/are <u>1,4-32,34-37,42</u> .		
3. The drawings filed on 11 January 2002 are accepted by the	e Examiner.	
 4. ☐ Acknowledgment is made of a claim for foreign priority una) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" on the delow. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must (a) ☐ including changes required by the Notice of Draftspers 1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the paper No./Mail Office of Information of the deposent sheet. Replacement sheet(s) should be labeled as such in the deposent sheet. Replacement sheet(s) should be labeled as such in the deposent sheet. Replacement sheet(s) should be labeled as such in the deposent sheet. Replacement sheet(s) should be labeled as such in the deposent sheet. Replacement sheet(s) should be labeled as such in the deposent sheet. Replacement sheet(s) should be labeled as such in the deposent sheet. Replacement sheet(s) should be labeled as such in the deposent sheet. Replacement sheet(s) should be labeled as such in the deposent sheet. Replacement sheet(s) should be labeled as such in the deposent sheet. Replacement sheet(s) should be labeled as such in the deposent sheet. Replacement sheet(s) should be labeled as such in the deposent sheet. Replacement sheet(s) should be labeled as such in the deposent sheet. Replacement sheet(s) should be labeled as such in the deposent sheet. Replacement sheet. Replacement sheet. Replacement	been received. been received in Application Nocuments have been received in this of this communication to file a reply ENT of this application. itted. Note the attached EXAMINER es reason(s) why the oath or declarate to be submitted. on's Patent Drawing Review (PTO- Amendment / Comment or in the Comment or in the Comment of the drawing he header according to 37 CFR 1.121(content).	national stage application from the complying with the requirements S AMENDMENT or NOTICE OF tion is deficient. 948) attached Office action of the back) of d). nust be submitted. Note the
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. Interview Summary Paper No./Mail Dat 8), 7. Examiner's Amendr	è

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REASON FOR ALLOWANCE

- 1. Claims 1,4-32,34-37, 42 are allowed. Claims 38-41 are cancelled (paper #6 election).
- 2. The following is an examiner's statement of reason for allowance:

The prior art fails to teach or suggest a printed circuit board assembly having spaced apart first and second surfaces the PCBA coupled to the cable to receive the data signal from the touch pad; a support having a first surface upon which the touch pad and the PCBA are disposed; a shield having spaced apart first and second surface, the shield over covering at least a portion of the touch pad, the cable, and the PCBA ad defining a through opening in the first surface overlying and permitting access to the touch pad and a seal coupling the shield to the support and the cable to enhance at least one of water proofing and theft vulnerability of the apparatus as claimed with combined limitation of claim 1.

The prior art fails to teach or suggest a printed circuit board assembly having spaced apart first and second surfaces the PCBA coupled to the cable to receive the data signal from the touch pad; a support having a first surface upon which the touch pad and the PCBA are disposed; a shield having spaced apart first and second surface, the shield over covering at least a portion of the touch pad, the cable, and the PCBA ad defining a through opening in the first surface overlying and permitting access to the touch pad; and an anti-theft securing the shield to the PCBA to enhance at least one of water proofing and theft vulnerability of the apparatus wherein the shield defines at least one injection port through which encapsulation resin is inject able into security chamber

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space and the anti theft latch is molded into encapsulation resin such that upon setting and curing of the resin the PCBA is not readily disassembled from the apparatus as claimed in claim 12.

The prior art fails to teach or suggest a printed circuit board assembly having spaced apart first and second surfaces the PCBA coupled to the cable to receive the data signal from the touch pad; a support having a first surface upon which the touch pad and the PCBA are disposed; a shield having spaced apart first and second surface, the shield over covering at least a portion of the touch pad, the cable, and the PCBA ad defining a through opening in the first surface overlying and permitting access to the touch pad; and an anti-theft securing the shield to the PCBA to enhance at least one of water proofing and theft vulnerability of the apparatus, the anti-theft latch having a spring as claimed in claim 14.

The prior art fails to teach or suggest a printed circuit board assembly having spaced apart first and second surfaces the PCBA coupled to the cable to receive the data signal from the touch pad; a support having a first surface upon which the touch pad and the PCBA are disposed; a shield having spaced apart first and second surface, the shield over covering at least a portion of the touch pad, the cable, and the PCBA ad defining a through opening in the first surface overlying and permitting access to the touch pad; and an anti-theft securing the shield to the PCBA to enhance at least one of water proofing and theft vulnerability of the apparatus, the anti-theft latch includes a metallic material as claimed in claim 15 and wherein the portion of the anti-theft latch is welded to the second surface of the shield as claimed in claim 17 and anti-theft latch is

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electrically coupled to the PCBA and double sided adhesive material as claimed in claims 18,19.

The prior art fails to teach or suggest a printed circuit board assembly having spaced apart first and second surfaces the PCBA coupled to the cable to receive the data signal from the touch pad; a support including at least one of polycarbonate and glass and the support having a first surface upon which the touch pad and the PCBA are disposed; a shield having spaced apart first and second surface, the shield over covering at least a portion of the touch pad, the cable, and the PCBA ad defining a through opening in the first surface overlying and permitting access to the touch pad; and an anti-theft securing the shield to the PCBA to enhance at least one of water proofing and theft vulnerability of the apparatus as claimed in claim 24.

The prior art fails to teach or suggest a method of ruggedizing and securing a touch pad assembly having the step of supporting a touch pad and a printed circuit board assembly with a lens, such that the touch pad and PCBA lie in a first surface of the lens; coupling a cable between the touch pad and the PCBA and providing a shield having spaced apart first and second surface to cover the touch pad, cable and PCBA, the shield defining an opening sized to permit accessing the touch pad and coupling a seal between the shield and the lens the seal in contact with the cable, to enhance at least one of water proofing and theft vulnerability of the assembly as claimed in claims 27,32,34,35.

3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

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accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nitin Patel whose telephone number is 703-308-7024. The examiner can normally be reached on 8:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bipin H Shalwala can be reached on 703-305-4938. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

NP April 14, 2004

> VIJAY SHANKAR PRIMARY EXAMINER

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